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ROBERT W. J. USHER PATENT AGENT 1133 BROADWAY, #1515 NEW YORK, NY 10010			LEE, JAE YOUNG	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/706,859	MCLENNAN ET AL.
	Examiner	Art Unit
	JAE Y. LEE	2466

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 30 March 2010.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 30-58 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 30-58 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)

Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 30 March 2010 has been entered.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in United Kingdom on 09 October 2003 and 19 October 2003. It is noted, however, that applicant has not filed a certified copy of the 0323625.4 and 0323626.2 applications as required by 35 U.S.C. 119(b).

Response to Amendment

3. Claims 1-29 have been cancelled.
4. Claims 30 and 46 have been amended.

Response to Arguments

5. Applicant's arguments with respect to claims 30-58 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 46-58 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

For claim 46, claim element "examination means for examining stored (business transaction) data" is a means (or step) plus function limitation that invokes 35 U.S.C. 112, sixth paragraph. However, the written description fails to disclose the corresponding structure, material, or acts for the claimed function. "Examining the stored data and extracting the stored business transaction data" (paragraph 0015), a ninth test 132 checks to see if the first item accessed from the data store 10 meets the criterion for inclusion in providing an automated response (Fig. 9 step 132; paragraph 0090). However, there are no specific hardware structures or algorithm (or steps) corresponding to the means plus function.

Applicant is required to:

- (a) Amend the claim so that the claim limitation will no longer be a means (or step) plus function limitation under 35 U.S.C. 112, sixth paragraph; or
- (b) Amend the written description of the specification such that it expressly recites what structure, material, or acts perform the claimed function without introducing any new matter (35 U.S.C. 132(a)).

If applicant is of the opinion that the written description of the specification already implicitly or inherently discloses the corresponding structure, material, or acts so that one of ordinary skill in the art would recognize what structure, material, or acts perform the claimed function, applicant is required to clarify the record by either:

- (a) Amending the written description of the specification such that it expressly recites the corresponding structure, material, or acts for performing the claimed function and clearly links or associates the structure, material, or acts to the claimed function, without introducing any new matter (35 U.S.C. 132(a)); or
- (b) Stating on the record what the corresponding structure, material, or acts, which are implicitly or inherently set forth in the written description of the specification, perform the claimed function. For more information, see 37 CFR 1.75(d) and MPEP §§ 608.01(o) and 2181.

For claim 46, claim element "data extraction means for extracting stored business transaction data" is a means (or step) plus function limitation that invokes 35 U.S.C. 112, sixth paragraph. However, the written description fails to disclose the corresponding structure, material, or acts for the claimed function. "Examining the stored data and extracting the stored business transaction data" (paragraph 0015), if the ninth test 132 detects that the criterion for an automated response is met, a twenty-first operation adds the selected item in the data store to a transaction store ready for processing (paragraph 0090). However, there are no specific hardware structures or algorithm (or steps) corresponding to the means plus function.

Applicant is required to:

- (a) Amend the claim so that the claim limitation will no longer be a means (or step) plus function limitation under 35 U.S.C. 112, sixth paragraph; or
- (b) Amend the written description of the specification such that it expressly recites what structure, material, or acts perform the claimed function without introducing any new matter (35 U.S.C. 132(a)).

If applicant is of the opinion that the written description of the specification already implicitly or inherently discloses the corresponding structure, material, or acts so that one of ordinary skill in the art would recognize what structure, material, or acts perform the claimed function, applicant is required to clarify the record by either:

- (a) Amending the written description of the specification such that it expressly recites the corresponding structure, material, or acts for performing the claimed function and clearly links or associates the structure, material, or acts to the claimed function, without introducing any new matter (35 U.S.C. 132(a)); or
- (b) Stating on the record what the corresponding structure, material, or acts, which are implicitly or inherently set forth in the written description of the specification, perform the claimed function. For more information, see 37 CFR 1.75(d) and MPEP §§ 608.01(o) and 2181.

For claim 46 , it is unclear whether 112, 6th paragraph, has been invoked for the claim elements "*message transmitting means*" and "*communication generating means*" because the phrase "means for" or "step for" is not used and no specific structure is recited to perform the functionality in the claim limitation.

If applicant wishes to have the claim limitation treated under 35 U.S.C. 112, sixth paragraph, applicant is required to:

- (a) Amend the claim to include the phrase "means for" or "step for" in accordance with these guidelines: the phrase "means for" or "step for" must be modified by functional language and the phrase must not be modified by sufficient structure, material, or acts for performing the claimed function; or
- (b) Show that the claim limitation is written as a function to be performed and the claim does not recite sufficient structure, material, or acts for performing the claimed function which would preclude application of 35 U.S.C. 112, sixth paragraph. For more information, see MPEP § 2181.

To achieve the goal of compact prosecution, the examiner assumes that 112, sixth paragraph has been invoked for the claim elements. The communication package sends message to recipient (Fig. 1, paragraph 0050, 0051, 0052, and 0053). Therefore, it is rejected under 35 U.S.C. 112, 2nd Paragraph because there is no disclosure or insufficient disclosure of the structure or specific algorithm (or steps) for performing the function recited in a claim limitation invoking 35 U.S.C. 112, sixth paragraph.

Claims 47-58 are also rejected based upon the rejection of base claim 46.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

9. **Claims 37-41 and 53-57** are rejected under 35 U.S.C. 103(a) as being unpatentable over Powers (US 6,438,584) in view of Meyer et al. (US 6,915,271).

For claims 30, 46, Powers discloses a method and a system comprising:

- storing data relating to the recipient in a data store (Fig. 1, 2; col 15 lines 34-43: a sender must first register obtaining information from the sender for the database and a registered sender provides address information for each recipient and the nature of the conveyance (e.g., fax, postal mail or express courier));
- examining the stored data to determine if a communication is to be provided to the recipient (Fig 1, 2; col 3 lines 54-57: obtaining recipient location formation from data base containing names and addresses);
- if a communication is to be provided to the recipient, extracting stored data relating to the recipient from the data store (Fig 1, 2; col 7 lines 40-46: determining the addressing and delivery information for the intended recipient);

col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items);

- generating a communication with the stored data (col 6 lines 36-53: composition module retrieves various components or preferences from the database entries stored for a particular sender to create the image of the letter it is producing and delivery means, such as HTML, email, Fax, and printed hardcopy all have different requirements of resolution and color, so the database must store a different image for each type or output; col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items); and
- sending the message to the recipient (col 3 lines 40-45: generating completed mail objects from email message from registered senders to be received by recipients in hard copy);
- wherein the step of generating a communication (col 6 lines 36-53: composition module retrieves various components or preferences from the database entries stored for a particular sender to create the image of the letter it is producing and delivery means, such as HTML, email, Fax, and printed hardcopy all have different requirements of resolution and color, so the database must store a different image for each type or output; col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items) comprises the steps of:

- reading a response template which contains data definitions and conditional criteria (col 8 lines 54-56: fax cover sheet is composed according to sender database entries and an HTML document template supplied by the system and precedes the letter; col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item);
- applying said criteria to the data definitions and to the stored data whereby to compose the communication by selecting text and data in response to the criteria (col 8 lines 54-56: fax cover sheet is composed according to sender database entries and an HTML document template supplied by the system and precedes the letter; col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item; col 9 lines 31-34: appropriate screen resolution graphics are retrieved from database and references inserted into the HTML template); and
- wherein the conditional criterion in the response template automatically activates alternative selections of text and data according to whether the criterion is met or whether the criterion is not met (col 7 lines 55-57: automatic composition activities for the sender; col 7 58-67: determining the type of correspondence, determining delivery methods, determining the format and size and layout of a

correspondence item; col 9 lines 28-29: generating the entire HTML programmatically; col 9 lines 31-34: retrieving appropriate screen resolution graphics from database and inserting into the HTML template; col 9 lines 35-37: the fonts are determined from the sender's database and references are inserted into the HTML template)

Powers discloses all the subject matter of claimed invention with the exception for storing business transaction data, response template which contains data definitions and conditional criteria relating to the business transaction, selecting text and data defining terms and conditions of the business transaction in response to the criteria, automatically activates alternative selections of text and data which change the transaction according to whether the criterion is met or whether the criterion is not met. Powers discloses composing HTML template programmatically (or automatically) by retrieving appropriate screen resolution graphics and fonts from database and inserting them into the HTML template (col 7 lines 55-67, col 9 lines 28-29, lines 31-34). Meyer from the same or similar fields of endeavor discloses storing business transaction data (Fig. 1; col 18 lines 18-20: incentive information in the form of a database), response template which contains data definitions and conditional criteria relating to the business transaction (col 10 lines 30-39, col 22 lines 39-42, col 23 lines 31-44: incentive HTML template defines terms and conditions that describe the incentive (e.g., buy one product at a regular price to get the discount, buy another product to get the discount, etc.), selecting text and data defining terms and conditions of the business transaction in response to the criteria (Fig. 2 step 205, 211, 213, col 10 lines 30-39, col 31 lines 47-67:

displaying incentive & store information when a particular match criterion, e.g., terms and conditions, is met), automatically activates alternative selections of text and data which change the transaction according to whether the criterion is met or whether the criterion is not met (Fig. 2 step 205, 207, Fig. 5A, col 6 line 50-col 7 line 16, col 10 lines 30-39, col 31 lines 40-47: using the default incentive characteristics, which are defined by a set of parameters, e.g. request of membership etc., when a particular match criterion, e.g., terms and conditions, is not yet met). Therefore, it would have been obvious to the person of ordinary skill in the art at the time of invention was made to incorporate storing business transaction data, response template which contains data definitions and conditional criteria relating to the business transaction, selecting text and data defining terms and conditions of the business transaction in response to the criteria, automatically activates alternative selections of text and data which change the transaction according to whether the criterion is met or whether the criterion is not met of Meyer to the method of Powers to compose HTML template programmatically (or automatically) by retrieving data from database and inserting it into the HTML template. The motivation would have been to electronically distributing, dynamically displaying to a consumer, redeeming and clearing promotional incentives whose characteristics are adaptively obtained as a function of one or more demographics, behavior history, and other characteristics of the viewing consumer, or criteria (Myer col 6 lines 44-50).

For claims 31, 47, Powers discloses

- wherein the data definitions point to one of data in the stored data and alternative fixed text items within the response template, and said one of data and alternative fixed text items within the response template so pointed to is included in the selected text and data (col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item; col 9 lines 35-37: the fonts are determined from the sender's database and references are inserted into the HTML template; col 9 lines 38-39: data of the letter is composed and inserted into the HTML template)

For claims 32, 42, 48, 58, Powers discloses

- selecting, in response to the stored data, at least one medium from among a plurality of selectable media for providing the communication to the individual (col 6 lines 36-53: composition module retrieves various components or preferences from the database entries stored for a particular sender to create the image of the letter it is producing and delivery means, such as HTML, emailFax, and printed hardcopy all have different requirements of resolution and color, so the database must store a different image for each type or output; col 7 lines 46-49: hardcopy printed letter automatic composition);
- composing the communication in a form suitable for use on said at least one selected medium (col 7 lines 55-57: automatic composition activities for the sender; col 7 58-67: determining the type of correspondence, determining

delivery methods, determining the format and size and layout of a correspondence item); and

- employing said at least one selected medium to send the communication (col 8 lines 48-50: if express/registered/certified delivery is indicated, the necessary FedEx or UPS or US Postal forms are composed and sent with the print job)

For claims 33, 43, 49, Powers discloses

- wherein the step of composing the communication in a form suitable for use on a selected medium includes the step of applying a conditional criterion in the response template to the stored data in order to determine the medium (col 6 lines 36-53: composition module retrieves various components or preferences from the database entries stored for a particular sender to create the image of the letter it is producing and delivery means, such as HTML, emailFax, and printed hardcopy all have different requirements of resolution and color, so the database must store a different image for each type or output; col 7 lines 46-49: hardcopy printed letter automatic composition; col 7 lines 62-65: the delivery method(s) of correspondence (e.g., Email/FAX/Postal/Express) is determined from the sender's addressee database entry(ies) for each recipient(s); col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items)

For claims 34, 44, 50, Powers discloses

- wherein the response template includes a layout template which is used according to the selected medium (col 6 lines 36-53: composition module retrieves various components or preferences from the database entries stored for a particular sender to create the image of the letter it is producing and delivery means, such as HTML, emailFax, and printed hardcopy all have different requirements of resolution and color, so the database must store a different image for each type or output; col 7 lines 46-49: hardcopy printed letter automatic composition; col 7 line 66-col 8 line 2: layout of a correspondence item is determined)

For claims 35, 45, 51, Powers discloses

- wherein the layout template defines at least one place holder for content for the specific corresponding medium (col 7 lines 46-49: hardcopy printed letter automatic composition; col 8 lines 24-27: body of the correspondence specified by sender request is formatted and composed according to the retrieved fonts and layout; col 8 lines 54-56: fax cover sheet is composed according to sender database entries and an HTML document template supplied by the system and precedes the letter)

For claims 36, 52, Powers discloses

- wherein said step of storing data relating to the recipient includes the step of accepting data from at least one of: the Internet; a digital data transmission

medium; telephonic text messages; telephonic voice messages; printed matter; other data files; and record data files (col 6 lines 42-49: addresses of postal, street for FedEx, Internet, and facsimile; col 7 lines 62-65: determining delivery method of the correspondence including Email/FAX/Postal/Express from the sender's addressee database entry for each recipient)

For claims 37, 53, Powers discloses

- wherein the conditional criteria in the response template include a criterion (col 8 lines 54-56: fax cover sheet is composed according to sender database entries and an HTML document template supplied by the system and precedes the letter; col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item)

Powers does not explicitly disclose determining the language of the communication, and the communication is composed accordingly in a selectable one of a plurality of languages, the particular one of the plurality of languages being selected in response to the extracted stored data relating to the recipient. However, Powers discloses obtaining recipient location formation from data base containing names and addresses (Fig 1, 2; col 3 lines 54-57), appropriate HTML template is selected and modified to insert various sender specific graphics and contents into the correspondence item (col 9 lines 24-30), and hard copy delivery via London ENGLAND,

Frankfurt GERMANY for Europe and Hong Kong CHINA for Asia (col 15 lines 26-31).

Therefore, it would have been obvious to the person of ordinary skill in the art at the time of invention was made to select language corresponding to the address and country in order to deliver the messages in flexible manner.

For claims 38, 54, Powers discloses

- including the step of using at least one element of the address of the recipient (Fig 1, 2; col 3 lines 54-57: obtaining recipient location formation from data base containing names and addresses) to determine the selected language, said at least one element being selected from at least one of: the country of the recipient; the state of the recipient; the region of the recipient; the city of the recipient; the postal code of the recipient; and the family name of the recipient Powers does not explicitly disclose to determine the selected language, said at least one element being selected from at least one of: the country of the recipient; the state of the recipient; the region of the recipient; the city of the recipient; the postal code of the recipient; and the family name of the recipient. However, Powers discloses obtaining recipient location formation from data base containing names and addresses (Fig 1, 2; col 3 lines 54-57), appropriate HTML template is selected and modified to insert various sender specific graphics and contents into the correspondence item (col 9 lines 24-30), and hard copy delivery via London ENGLAND, Frankfurt GERMANY for Europe and Hong Kong CHINA for Asia (col 15 lines 26-31). Therefore, it would have been obvious to the person of ordinary skill in the art at the time of invention was made

to select language corresponding to the address and country in order to deliver the messages in flexible manner.

For claim 39, 55, Powers discloses

- wherein the conditional criteria in the response template include a criterion (col 8 lines 54-56: fax cover sheet is composed according to sender database entries and an HTML document template supplied by the system and precedes the letter; col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item) for determining the idiom of the communication, and the communication is composed accordingly in one of a plurality of idioms, the particular idiom being selected in response to the extracted stored data relating to the recipient (col 6 lines 36-53: composition module retrieving letter closing (e.g., sincerely, best regards, right on!, etc.) and greeting (e.g., Mr. or Ms, full name of recipient or first name of recipient) from database entries; col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items)

For claims 40, 56, Powers discloses

- wherein the conditional criteria in the response template include a criterion (col 8 lines 54-56: fax cover sheet is composed according to sender database entries

and an HTML document template supplied by the system and precedes the letter; col 9 lines 24-30: the appropriate HTML template is selected and the templates are part of the system and provide an "HTML" shell that can be modified to various sender specific graphics and contents into the correspondence item)

Powers does not explicitly disclose for determining a form of the communication suitable for use in a selectable one of a plurality of jurisdictions, the particular one of the plurality of jurisdictions being selected in response to the extracted stored data relating to the recipient. However, Powers discloses written communication formats including business legal notifications (col 1 lines 40-47), type of correspondence including Legal is determined from approved proof copy form (col 7 lines 46-49), appropriate HTML template is selected and modified to insert various sender specific graphics and contents into the correspondence item (col 9 lines 24-30), and resolution quality for legal documents (col 13 lines 35-40). Therefore, it would have been obvious to the person of ordinary skill in the art at the time of invention was made to select proper legal document template from approved proof copy form among plurality of formats in flexible manner.

For claim 41, 57, Powers discloses

- including the step of using at least one element of the address of the recipient (Fig 1, 2; col 1 lines 40-47: written communication formats including business legal notifications; col 3 lines 54-57: obtaining recipient location formation from

data base containing names and addresses; col 7 lines 46-49: final composition process for fax delivered correspondence items, print delivered correspondence items; col 7 lines 58-61: type of correspondence including Legal is determined from approved proof copy form; col 13 lines 35-40: resolution quality for legal documents)

Powers does not explicitly disclose to determine the selected jurisdiction, said at least one element being selected from at least one of: the country of the recipient; the state of the recipient; the region of the recipient; the city of the recipient; and the postal code of the recipient. However, Powers discloses written communication formats including business legal notifications (col 1 lines 40-47), type of correspondence including Legal is determined from approved proof copy form (col 7 lines 46-49), postal address (col 4 lines 18-20), resolution quality for legal documents (col 13 lines 35-40), obtaining recipient location formation from data base containing names and addresses (Fig 1, 2; col 3 lines 54-57), appropriate HTML template is selected and modified to insert various sender specific graphics and contents into the correspondence item (col 9 lines 24-30), and hard copy delivery via London ENGLAND, Frankfurt GERMANY for Europe and Hong Kong CHINA for Asia (col 15 lines 26-31). Therefore, it would have been obvious to the person of ordinary skill in the art at the time of invention was made to select proper legal document corresponding to the address and country in flexible manner.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jae Y. Lee whose telephone number is (571) 270-3936. The examiner can normally be reached on Monday through Friday from 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Ryman can be reached on (571) 272-3152. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jae Y Lee/
Examiner, Art Unit 2466

/Daniel J. Ryman/
Supervisory Patent Examiner, Art
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